

# PATENT ABSTRACTS OF JAPAN

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## (54) ZONE CONTROL SYSTEM

### (57)Abstract:

**PURPOSE:** To make stable communication possible by avoiding all sector radio channels from being busy so as to reduce the changeover of sectors and radio channels, decreasing the sector size when a channel operating rate is low so as to make the directivity of a radio wave narrow thereby reducing the effect of an interference wave.

**CONSTITUTION:** A traffic monitor section 31 monitors the channel operating ratio of each sector based on the operating state of a radio channel of each sector from a transmission reception section 35. A control section 33 gives a switching control signal to a directivity changeover section 32 based on a change in the channel operating rate of each sector from the traffic monitor section 31 to change the directivity and gives control information to the transmission reception section 35, which changes the number of allocated sectors and radio channels.

